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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/552,737	09/26/2006	Juha T. Rantala	LAIN-077	4463
20374 KUBOVCIK &	7590 01/07/201 KUBOVCIK	1		IINER
				MARC S
ARLINGTON,	· · ·			
			MAIL DATE	DELIVERY MODE
			01/07/2011	PAPER

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/552,737	RANTALA ET AL.	
Office Action Summary	Examiner	Art Unit	
	MARC S. ZIMMER	1765	
The MAILING DATE of this communication a Period for Reply	ppears on the cover sheet w	ith the correspondence addres	s
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING  - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory perions Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNION.  1.136(a). In no event, however, may a red will apply and will expire SIX (6) MONute, cause the application to become AE	CATION.  eply be timely filed  ITHS from the mailing date of this commus BANDONED (35 U.S.C. § 133).	
Status			
1) ☐ Responsive to communication(s) filed on 18 2a) ☐ This action is <b>FINAL</b> . 2b) ☐ The 3 ☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matt	·	rits is
Disposition of Claims			
4) ☐ Claim(s) 41 is/are pending in the application. 4a) Of the above claim(s) is/are withdr 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 41 is/are rejected. 7) ☐ Claim(s) 41 is/are objected to. 8) ☐ Claim(s) are subject to restriction and	rawn from consideration.		
Application Papers			
9) The specification is objected to by the Examination The drawing(s) filed on is/are: a) and according a control of the specific and any not request that any objection to the Replacement drawing sheet(s) including the correction of the specific and the specific and spec	ccepted or b) objected to be drawing(s) be held in abeyar bection is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.	, ,
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:  1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the prapplication from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in A iority documents have been eau (PCT Rule 17.2(a)).	pplication No received in this National Stag	ge
Attachment(s)	۸\ 🗖 استانستان	Nummers (PTO 412)	
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO/SB/08)         <ul> <li>Paper No(s)/Mail Date</li> </ul> </li> </ol>	Paper No(	Summary (PTO-413) s)/Mail Date. nformal Patent Application 	

## Claim Objections

Claim 41 is objected to because the dangling bond should stem from R2 as this is the chemical residue that is bonded to the polysiloxane framework. The variable R1 merely represents a substituent on R2 and is, thus, monovalent.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 41 is rejected under 35 U.S.C. 102(b) as being anticipated by Nozue et al., U.S. Patent # 4,626,556.

Nozue discloses the preparation of silsesquioxane polymers derived from the hydrolysis/condensation of a mixture of alkyltrihalosilanes, alkenyltrihalosilanes, and aryltrihalosilanes that may be employed as coating material for making patterned insulating layers (abstract, column 7, lines 55-66, column 8, lines 41-62). The patternforming process alluded to in column 8 creates holes for providing electrodes and, thus, the requirement that the layer also contain conducting portions is also satisfied.

As for the relative amounts of alkyl-, alkenyl-, and aryl-bearing units advocated by the reference, 50-99 mol%, 1-50 mol% and 0-49 mol% respectively are taught in column 3, lines 13-18. Several of the examples outline the preparation of silicone resins derived from methyltrichlorosilane, vinyltrichlorosilane, and phenyltrichlorosilane whereas the claim requires that the aryl substituents and, thus, all of the requirements

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of claim 41 are technically satisfied since there is no indication that a hydrogen atom is excluded as a substituent at the 4-position. However, the Examiner believes that, even were Applicant to amend the claim so as to stipulate that the substituent was a substituted- or unsubstituted alkyl, the claims would still at least be rendered obvious if not continue to be anticipated insofar as the paragraph bridging columns 2 and 3 identifies ethylphenyl groups, propylphenyl groups, etc. as exemplary of the aryl substituent. (The Examiner concedes that this disclosure does not indicate that the substitution occurs at the para- position but feels that this aspect of the claimed invention is at least obvious, if not anticipated, given that there are only three unique positions on the phenyl ring at which the substitution may occur and any one of these is readily envisaged.)

The Examiner regrets that Applicant had not been afforded the opportunity to respond to this concern earlier.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to MARC S. ZIMMER whose telephone number is (571)272-1096. The examiner can normally be reached on Monday-Friday 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jim Seidleck can be reached on 571-272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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January 5, 2011

/Marc S. Zimmer/ Primary Examiner, Art Unit 1765